KACCC’s Experiences for Climate Change Adaptation in the Republic of Korea

17 July 2018

Taehyun KIM
I. Overview of KACCC

II. Key Roles and Achievement of KACCC

III. Challenges and the Way Forward
I. Overview of KACCC

I-1. Korea Environment Institute (KEI)

Korea’s leading think tank on environmental policy and environmental impact assessment (EIA), as a part of the Korea Council of Economic and Social Research Institutes under the Prime Minster’s Office.
I. Overview of KACCC

I-2. Korea Adaptation Center for Climate Change (KACCC)

[Purpose]

• Strategic research and policy support for adapting to climate change and the National Climate Change Adaptation Plan

[History]

• KACCC was established on July 1, 2009, based on MOE Instruction No. 850

• The operation of KACCC was legalized by “the Clean Air Conservation Act” in 2012
I. Overview of KACCC

I-2. Korea Adaptation Center for Climate Change (KACCC)

- **Vision**: Achieving a climate-safe society
- **Mission**: Becoming a hub of adaptation knowledge and policy support

**Goal 1**: Policy Research and Support

**Goal 2**: Supporting Major Adaptation Groups

**Goal 3**: Supporting Decision-Making

**Goal 4**: Cooperation and Public Awareness
II. Key Roles and Achievement of KACCC

II-1. Policy Research and Support

1) Policy Support for the Central Government

<table>
<thead>
<tr>
<th>Vision</th>
<th>To build safe society and support green growth through climate change adaptation</th>
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</thead>
<tbody>
<tr>
<td>Periods</td>
<td>2011-2015 (5years)</td>
</tr>
<tr>
<td>Implementing Ministries</td>
<td>13 ministries</td>
</tr>
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</table>

**Features**

- Suggest an adaptation plan to achieve a long-term vision
- Limited to the effects for climate change adaptation
- Prepare a plan based on existing adaptation issues
- Regular monitoring of the implementation status
- Differentiate mid and long-term goals for climate change adaptation at the national level
- Aim at creating co-benefits of mitigation and adaptation
- Harness science-based approach with impact and risk assessment of climate change
- Enhance monitoring on climate change impact and integrated performance assessment
II. Key Roles and Achievement of KACCC

II-1. Policy Research and Support

  2) Policy Support for the Local Governments
II. Key Roles and Achievement of KACCC

II-1. Policy Research and Support

3) Various Researches on Adaptation

[The results of vulnerability assessment on cities]
II. Key Roles and Achievement of KACCC

II-2. Supporting Major Adaptation Groups

1) Support Program for the Public Infrastructure

• Providing support to the public institutions that manage the major public infrastructure such as power plants, roads, airports, etc
  ▪ Providing manuals/guidelines and supporting tools
  ▪ Providing training and consulting services
  ▪ Providing the results of impact assessments
II. Key Roles and Achievement of KACCC

II-2. Supporting Major Adaptation Groups

2) Support Program for the Private Sector

- Providing support to the private sector to enhance its adaptive capacity
  - Disseminating the web-based climate change risk assessment system for the private sector called **CRAS (Climate Change Risk Assessment System)**
  - Providing training to the private sector
II. Key Roles and Achievement of KACCC

II-2. Supporting Major Adaptation Groups

2) Support Program for the Private Sector

- Fostering the adaptation industry
  - Publishing the casebook of the adaptation businesses
  - Selecting the major potential adaptation business partners and developing an adaptation business model
  - Establishing a roadmap for the development of adaptation industry
  - Supporting small enterprises to extend their adaptation businesses abroad
II. Key Roles and Achievement of KACCC

II-2. Supporting Major Adaptation Groups

3) Support Program for the vulnerable groups

- Providing support to the vulnerable groups to enhance their adaptive capacity
  - Identifying and managing the vulnerable groups to climate change
  - Developing and operating the direct support program for the vulnerable groups
II. Key Roles and Achievement of KACCC

II-3. Supporting Decision-Making

1) Web-based Climate Change Vulnerability Assessment Tool (VESTAP)
II. Key Roles and Achievement of KACCC

II-4. Cooperation and Public Awareness

1) Domestic and International Cooperation

- Building a domestic and international network on adaptation
- Sharing knowledge and experiences on climate change adaptation
- Holding capacity building programs for developing countries
- Holding various international events including the Asia NAP EXPO, A-P Adaptation Forum, etc
- Support for adaptation efforts by other countries
- Participating in the international adaptation society such as IPCC, UNFCCC, etc
II. Key Roles and Achievement of KACCC

II-3. Cooperation and Public Awareness

2) PR & Public Awareness

• Issuing and disseminating a periodic newsletter and brief on adaptation
• Raising awareness of adaptation through SNS
• Developing educational materials on adaptation
• Responding to media in relation to adaptation
• Holding PR events such as Talk Concert
III. Challenges and the Way Forward

III - 1. Main Challenges

• Wide work scope
  ▪ Vertical: from the central level to the lower local level
  ▪ Horizontal: various stakeholders from the governments to the civil society
  ▪ Multidisciplinary: 10 sectors
• Position between science and policy
  ▪ Different language and working style
• Long-term goal
  ▪ Difficulty in making a tangible outcome
III. Challenges and the Way Forward

III -2. The Way Forward

• Strengthening the monitoring and evaluation
• Encouraging more stakeholders to participate, and creating an open environment
• Aiming for the long-term goal, but making some tangible outcome in the short and medium term
THANK YOU!